



Culture media:

- Eagle BME basal medium
- MEM Eagle's Minimum Essential Medium
- RPMI 1640
- Middle DMEM Dulbecco's modified MEM
- Middle GMEM Glasgow MEM
- DMEM Iscove modified DMEM
- McCoy the 5th
- L-15 Medium Leibovitz L-15
- Ham's F-10
- Ham's F-12
- Medium 199
- 199
- M16
- CS-C

Chemical composition:

- Balanced Salt Solution (BSS): mixture of salts inorganic supplemented with glucose
- Amino acids, amino acid supplementation essential to adding glutamine
- 2mM concentration prior to use of the medium
- Vitamins
- Glucose
- Other molecules, lipids, pyruvate, etc ...
- Serum, adding hormones and growth factors. Calf serum (CF), bovine serum (BS), fetal (FCS), horse serum (HS)
- Serum source human (HUS)
- Lines without serum grow and other lines that do not grow in the presence of serum. concentrations minimum may stimulate or inhibit cell growth.

- antibiotics and antifungal agents, preventing the growth of bacteria and fungi: penicillin, streptomycin, gentamicin, fungizone, and amphotericin-B

Defined formulations:

- Factors accesion
- Protease inhibitors, hormones, factors
- Growth, trace elements: Cu, Se and Fe
- Proteins

Physical properties:

- pH around 7.4 and controlled by CO₂ incubator and buffer substances contained in the medium formulation: HEPES. Culture medium includes phenol red pH indicator.
- osmolality, which typically ranges generally between 260-320 mOsm / kg.
- Temperature influences the pH
- Viscosity serum concentration
- Surface tension, low to prevent foaming

histotipicos crops: three dimensional structures similar to the original tissue

- High-density cultures on a p. filter
- Perfusion and overgrowth of monocapaen (disk or bottle)
- reaggregation suspension on agar, actual or simulated zero gravity
- Infiltration of a three dimensional matrix like collagen gel

the organotypic culture
(Similar to the culture media histotipico)

Presentation:

A sample of the cell lines used,
in the molecular biology department of the Foundation.
Ongoing research of nervous tissues

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